FIG. 1

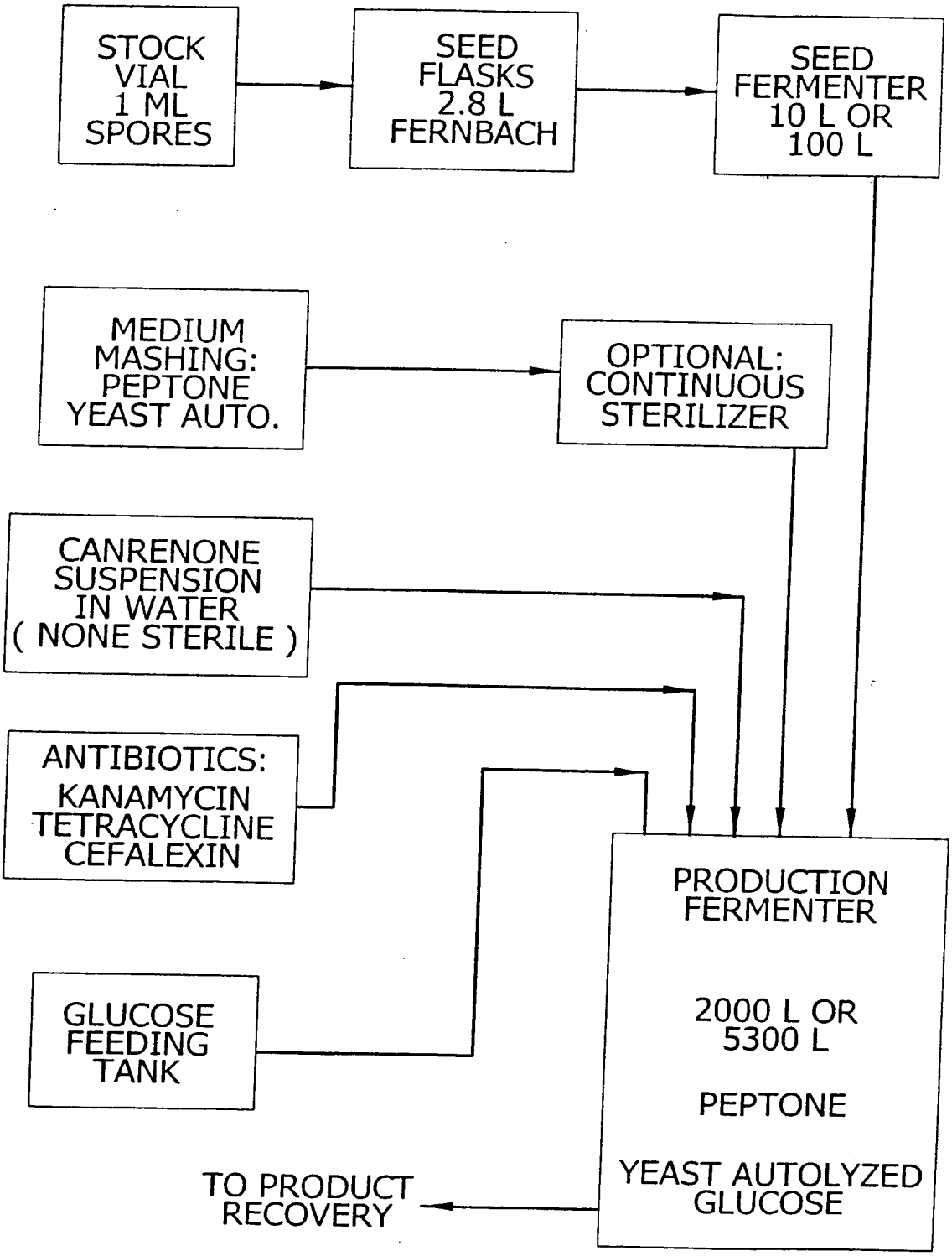

STOCK VIAL 1 ML SPORES
SEED FLASKS 2.8 L FERNBACH
SEED FERMENTER 10 L OR 100 L
MEDIUM MASHING: PEPTONE YEAST AUTO.
OPTIONAL: CONTINUOUS STERILIZER
CANRENONE SUSPENSION IN WATER (NONE STERILE)
ANTIBIOTICS: KANAMYCIN TETRACYCLINE CEFALEXIN
GLUCOSE FEEDING TANK
PRODUCTION FERMENTER
2000 L OR 5300 L
PEPTONE
YEAST AUTOLYZED
GLUCOSE
TO PRODUCT RECOVERY

FIG. 2

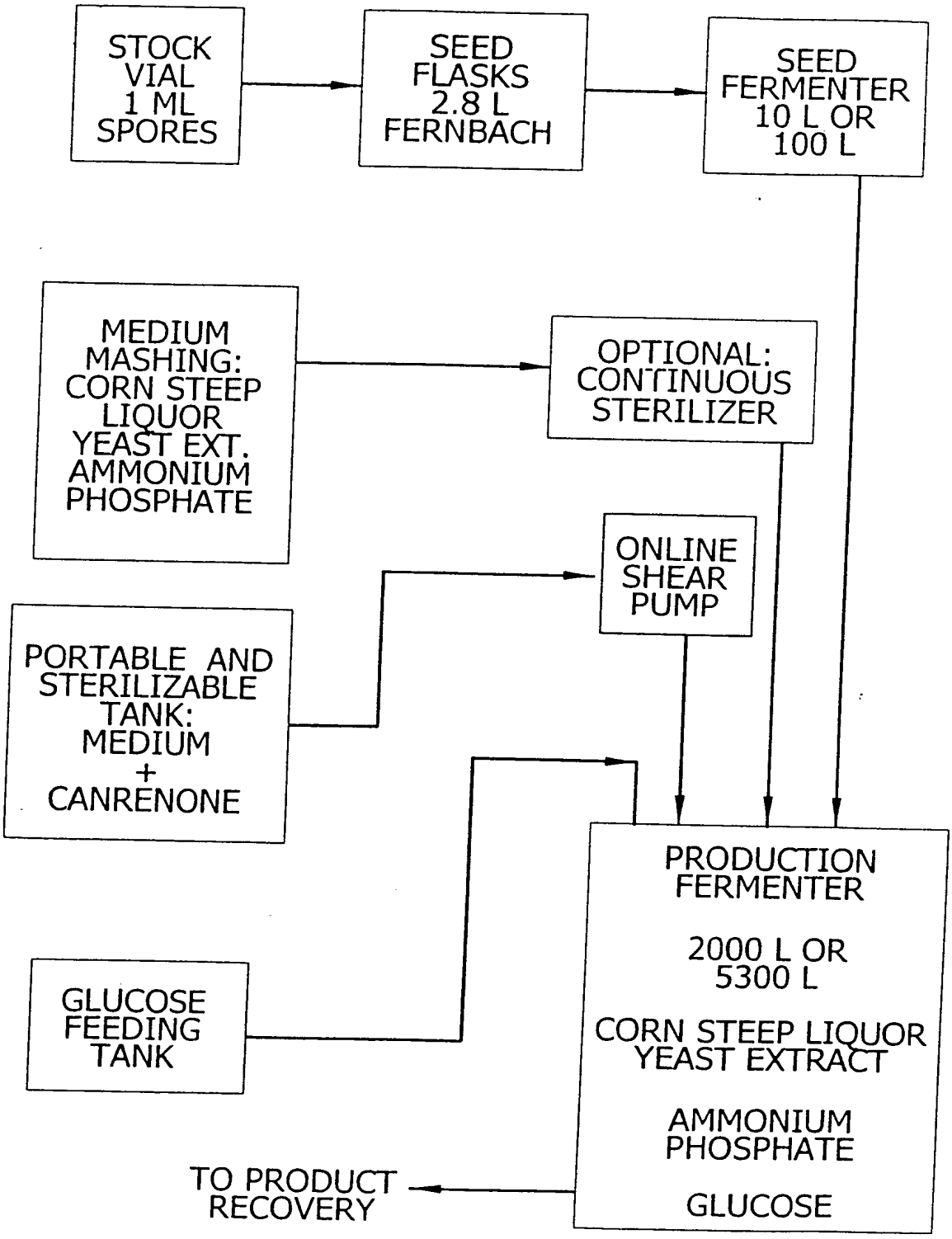

STOCK VIAL 1 ML SPORES
SEED FLASKS 2.8 L FERNBACH
SEED FERMENTER 10 L OR 100 L
MEDIUM MASHING: CORN STEEP LIQUOR YEAST EXT. AMMONIUM PHOSPHATE
OPTIONAL: CONTINUOUS STERILIZER
ONLINE SHEAR PUMP
PORTABLE AND STERILIZABLE TANK: MEDIUM + CANRENONE
GLUCOSE FEEDING TANK
PRODUCTION FERMENTER
2000 L OR 5300 L
CORN STEEP LIQUOR
YEAST EXTRACT
AMMONIUM PHOSPHATE
GLUCOSE
TO PRODUCT RECOVERY

FIG. 3

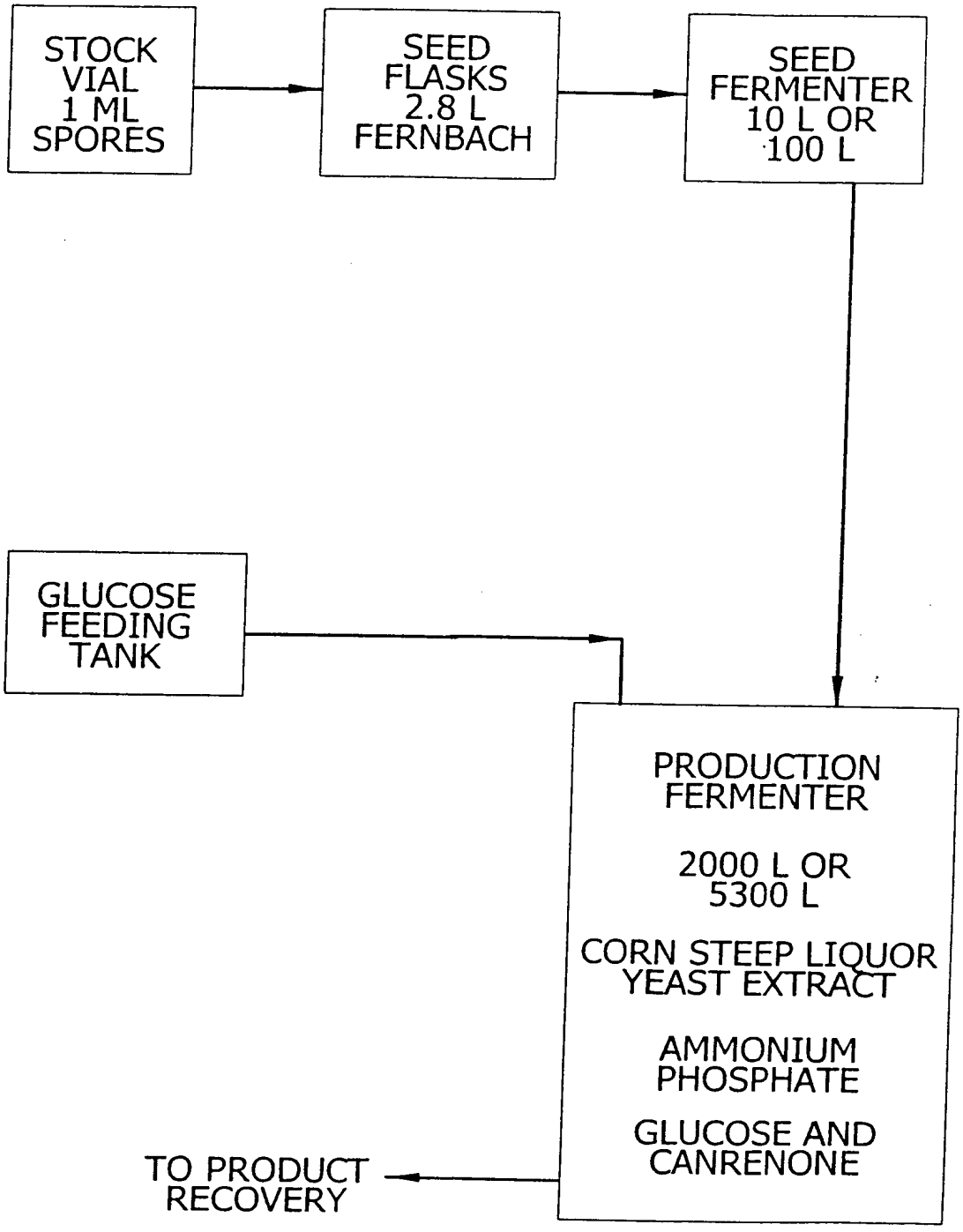
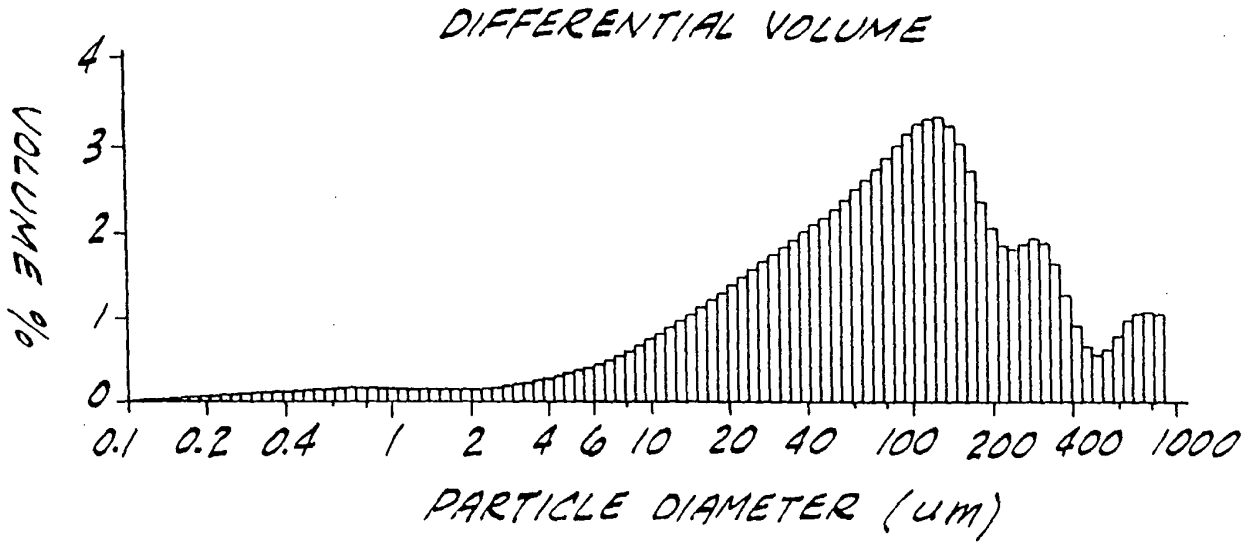

STOCK VIAL 1 ML SPORES
SEED FLASKS 2.8 L FERNBACH
SEED FERMENTER 10 L OR 100 L
GLUCOSE FEEDING TANK
PRODUCTION FERMENTER
2000 L OR 5300 L
CORN STEEP LIQUOR
YEAST EXTRACT
AMMONIUM PHOSPHATE
GLUCOSE AND CANRENONE
TO PRODUCT RECOVERY

FIG. 4



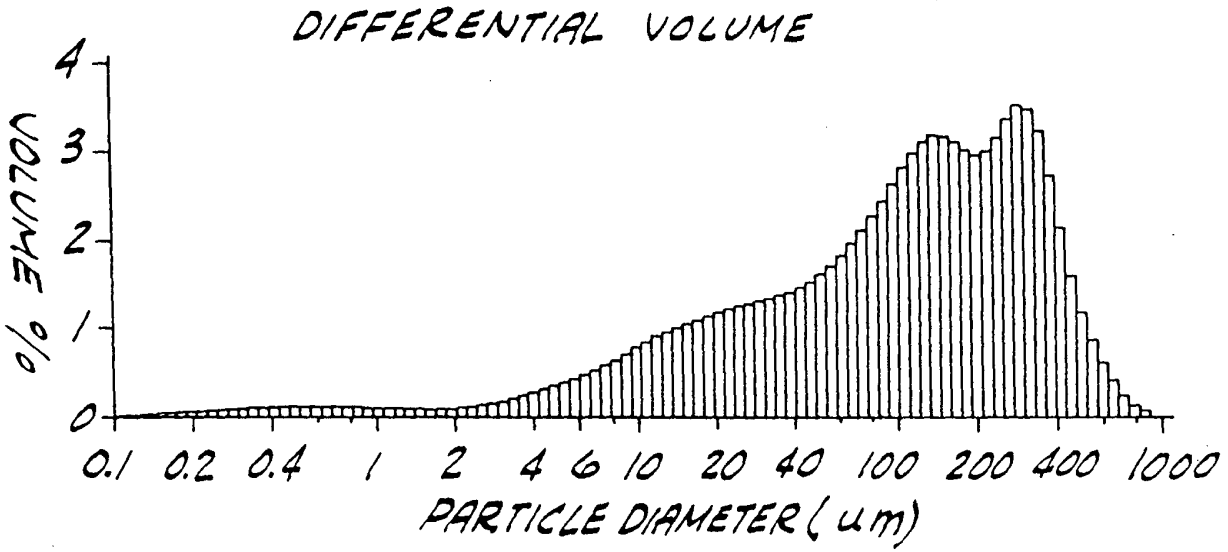
Volume Statistics (Arithmetic) 6010358.$01

Calculations from 0.100 um to 900.0 um

Volume	100.0%		
Mean:	140.0 um	95% Conf. Limits:	0-477 um
Median:	82.10 um	S.D.:	172 um
Mean/Median Ratio:	1.705	Variance:	2.96e+004 um^2
Mode:	127.1 um	C.V.:	123%
		Skewness:	2.27 Right skewed
		Kurtosis:	5.3 Leptokurtic

%>	10	25	50	75	90
Size um	339.3	170.3	82.10	29.95	9.659

FIG. 5



Volume Statistics (Arithmetic) 6010358.$07

Calculations from 0.100 um to 900.0 um

Volume	100.0%		
Mean:	157.4 um	95% Conf. Limits:	0-443 um
Median:	116.1 um	S.D.:	146 um
Mean/Median Ratio:	1.356	Variance:	2.13e+004 um^2
Mode:	288.4 um	C.V.:	92.7%
		Skewness:	1.23 Right skewed
		Kurtosis:	1.45 Leptokurtic

%>	10	25	50	75	90
Size um	363.2	242.8	116.1	37.60	11.32